(12)

EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention of the grant of the patent:
21.03.2007 Bulletin 2007/12

(51) Int Cl.: H04L 9/08 (2006.01)

- (21) Application number: 00480089.2
- (22) Date of filing: 28.09.2000

(54) Method of updating encryption keys in a data communication system

Verfahren zur Aktualisierung von Geheimschlüsseln in einem Datenkommunikationssystem Procédé de mise à jour de clés de chiffrage dans un système de communication de données

- (84) Designated Contracting States: DE FR GB
- (30) Priority: 02.12.1999 EP 99480123
- (43) Date of publication of application: 13.06.2001 Bulletin 2001/24
- (73) Proprietor: International Business Machines Corporation Armonk, NY 10504 (US)
- (72) Inventors:
 - Benayoun, Alain
 - 06800 Cagnes-sur-Mer (FR)
 Le Pennec, Jean François
 - 06100 Nice (FR)
 - · Michel, Patrick
 - 06610 La Gaude (FR)
- (74) Representative: Etorre, Yves Nicolas Compagnie IBM France, Département Propriété Intellectuelle 06610 La Gaude (FR)

(56) References cited:

EP-A- 1 032 159 WO-A-98/51035 US-A- 4 157 454 US-A- 4 661 657

- US-A- 5 995 624
- ZIV J ET AL.: "COMPRESSION OF INDIVIDUAL SEQUENCES VIA VARIABLE-RATE CODING" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE INC. NEW YORK, US, vol. IT-24, no. 5, September 1978 (1978-09), pages 530-536, XP00056521 ISSN: 0018-9448
- SCHNEIER: "Applied Cryptography, Second Edition" 1996, JOHN WILEY & SONS, NEW YORK XP002249710 * page 180, line 23 line 34 *
- TAKAYA YAMAZATO; IWAO SASASE;
 SHINSAKUMORI: 'INTERLACE CODING SYSTEM
 INVOLVING DATA COMPRESSION CODE, DATA
 ENCRYPTION CODE AND ERROR CORRECTING
 CODE 'IELE THANSACTIONS ON
 COMMUNICATIONS Vol. E75-B, no. 6, 01 June
 1992, COMMUNICATIONS SOCIETY, TOKYO, JP,
 pages 458 465, XP000310689
- PATENT ABSTRACTS OF JAPAN vol. 018, no. 230 (E-1542) 26 April 1994 & JP 06 021 854 A (MATSUSHITA ELECTRIC IND CO LTD) 28 January 1994
- PATENT ABSTRACTS OF JAPAN vol. 010, no. 244
 (E-430) 22 August 1986 & JP 61 073 445 A (NEC CORP) 15 April 1986
- PATENT ABSTRACTS OF JAPAN vol.010, no.046 (E-383) 22 February 1986 & JP 60 200 628 A (FUJITSU LTD) 11 October 1985

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filled in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).